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K080101

MAR 25 2008

510(K) SUMMARY
OF SAFETY AND EFFECTIVENESS

In accordance with the Food and Drug Administration Rule to implement provisions of the Safe Medical Devices Act of 1990 and in conformance with 21 CRF 807, this information serves as a Summary of Safety and Effectiveness for the use of the *aap* Cannulated Screws.

Submitted By:	*aap* Implantate AG
Date:	January 8, 2008
Contact Person:	Marc Seegers, Dipl.-Ing. Director QA/ RA
Proprietary Name:	*aap* Cannulated Screw DARCO® HEADED SCREW
Common Name:	Cannulated Screw
Classification Name and Reference:	21 CFR 888.3040 Smooth or threaded metallic bone fixation fastener - Class II
Device Product Code and Panel Code:	Orthopedics/87/ HWC

DEVICE INFORMATION

A. INTENDED USE

The *aap* Cannulated Screw is intended for use over a guide pin or wire for bone fracture fixation and bone fragment fixation. *aap*'s washers may be used with the screws in certain applications.

- Minimally invasive fracture / joint reconstructions
- Additive osteosynthesis for complex joint fractures
- Multiple- fragment joint fractures
- Femoral neck and femoral head fractures
- Femoral supracondylar fractures
- Tibial plateau fractures
- Simple metaphyseal fractures
- Simple epiphyseal fractures
    - Fractures of the head of the humerus
    - Fractures of the head of the tibia

- Cooper fractures of the tibia
- Fractures of the radius

- Fractures of the wrist, ankle, elbow and shoulder
- Scaphoid fractures and other fractures of the hand
- Metatarsal fractures and other fractures of the foot
- Ligament fixation of the proximal humerus
- Fractures of the acetabulum
- Fractures of the dorsal pelvic ring
- Condylar fractures
- Peadiatric epiphyseal and metaphyseal fractures
- Ligament avulsion injuries (Apohysis)
- Fractures of small joint bones
  - Malleolar fractures
  - Navicular fractures
- Fractures of the calcaneus and talus
- Arthrodesis of the ankle joint
- Avulsion fracture and metatarsl V
- Fractures of the tarsal region

B. DEVICE DESCRIPTION

The *aap* Cannulated Screws and Washers are manufactured from Titanium Alloy conforming to ASTM F136 or ISO 5832-3. The Screws are offered in varying overall lengths and thread lengths to accommodate variability among patients.

C. SUBSTANTIAL EQUIVALENCE INFORMATION

The design features, material, and indications for use of the *aap* Cannulated Screws are substantially equivalent to the previously cleared *aap* Small and Large Cannulated Screw System (K021233) and *aap* Cannulated Screws and Washers (990776). The safety and effectiveness of the *aap* Cannulated Screws is adequately supported by the substantial equivalence information, materials information, and analysis data provided within this Premarket Notification.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

aap Implantate AG
% Mr. Marc Seegers, Dipl.-Ing
Director, OA/RA
Lorenzweg 5
12099 Berlin
Germany

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Re: K080101
Trade/Device Name: aap Cannulated Screws
Regulation Number: 21 CFR 888.3040
Regulation Name: Smooth or threaded metallic bone fixation fastener
Regulatory Class: Class II
Product Code: HWC
Dated: February 21, 2008
Received: February 25, 2008

Dear Mr. Seegers:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

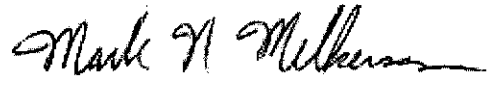
If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at (240) 276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at (240) 276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,



Mark N. Melkerson
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Indications for Use

510(k) Number (if known): K080101

Device Name: *aap* Cannulated Screws

Indications for Use:

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- Avulsion fracture and metatarsl V
- Fractures of the tarsal region

Prescription Use X AND/OR Over-The-Counter Use No

(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

(Division Sign-Off)
Division of General, Restorati
and Neurological Devices

510(k) Number K080101